ABSTRACT

A catalyst body of the present invention includes: a porous carrier in which a large number of aggregate particles containing a main component of a nonoxide ceramic are bonded to one another while a large number of pores are disposed; and a catalyst layer carried on the porous carrier and containing a compound of an alkali metal, wherein the porous carrier has an oxide film unavoidably formed on a part of the surface of the aggregate particles, and an oxide film protective layer formed of a material which does not form low-melting glass with the alkali metal is further disposed between the oxide film and the catalyst layer in such a manner as to coat at least a part of the oxide film.